



International Industrial Hygiene Training Module W501:

MEASUREMENT OF HAZARDOUS SUBSTANCES

(Including Risk Assessment)



November 1-5, 2010

Ala Moana Hotel, Honolulu, Hawai'i

Organized by AIHA-Hawai'i and Golder Associates



Combine great learning and vacationing in paradise!

This W-501 course was developed by the Occupational Hygiene Training Association (OHTA) in conjunction with the International Occupational Hygiene Association (IOHA) and the British Occupational Hygiene Society (BOHS) and is designed for:

- ❖ **Mid-level managers** responsible for environmental and occupational health in their organizations, including risk assessment and regulatory compliance.
- ❖ The **safety and health professional** desiring to add an understanding of airborne contaminants to their resume; and
- ❖ The safety and health professional seeking **internationally recognized certification** in airborne exposure monitoring and assessment. The course also qualifies as 40-hours of formal industrial hygiene training which can be applied towards qualifying to sit for the Certified Industrial Hygiene (CIH) certification.
- ❖ Earn **5.34 CIH Certification Maintenance** points for those who are already ABIH certified

Course Objective: To provide the student with a sound understanding of the techniques for assessing airborne exposure to hazardous gases, vapors, and particulates in the workplace and with an understanding of how exposure information can be used to assess risk.

Training will consist of a combination of lecture, conversation, group and individual exercises, case-studies, hands-on activities, and overnight assignments to reinforce learning.

Those desiring the BOHS certificate must sit for a formal 40 short-answer, open-book examination at the end of the course.



Supported by



The Course is directed by **Dr. Jas Singh, PhD, CIH**, an internationally recognized consultant with Golder Associates. In addition to Dr. Singh, instructors for this course will include:

- ❖ **Kathy Norton, CIH** – Golder Associates
- ❖ **Jennifer Shishido, CIH** – State of Hawai'i, HIOSH
- ❖ **Nira Cooray, CIH** – Bureau Veritas
- ❖ **Gordon Yamamoto, CIH** – US Navy
- ❖ **Thomas Goob, CIH, CSP** – Diagnostic Laboratories
- ❖ **Jerry Formisano, PhD, CIH** – US Navy

Course Matrix

<i>Date</i>	<i>Time</i>	<i>Topic</i>	<i>Instructor</i>
Nov 1, Mon	8:30 - 9:30	Introductions/Course Overview	Singh/Norton
	9:30 – 10:30	Physiology & Toxicology	Shishido
	11:00 – 12:30	Risk Assessment	Cooray
	12:30 – 1:30	Lunch (on own)	
	1:30 - 3:00	Risk Assessment + Case Study 1	Cooray
	3:30 – 5:00	Hygiene Standards	Cooray
Nov 2, Tues	8:30 – 9:00	Review of Overnight Questions	Singh/Norton
	9:00 – 10:30	Air Sampling Theory and Practice	Shishido
	11:00 – 12:30	Case Study 2	Shishido
	12:30 – 1:30	Lunch (on own)	
	1:30 – 3:00	Case Study 3	Goob
	3:30 – 5:00	Biological Monitoring & Sample Analysis	Goob
Nov 3, Wed	8:30 – 9:00	Review of Overnight Questions	Singh/Norton
	9:00 – 10:30	Dust, Fumes & Fibers	Formisano
	11:00 – 12:30	Dust, Fumes & Fibers	Formisano
	12:30 – 1:30	Lunch (on own)	
	1:30 – 3:00	Dust, Fumes & Fibers Practical	Formisano
	3:30 – 5:00	Dust, Fumes & Fibers Practical	Formisano
Nov 4, Thur	8:30 – 9:00	Review of Overnight Questions	Singh/Norton
	9:00 – 10:30	Vapors & Gases	Norton
	11:00 – 12:30	Vapors & Gases	Norton
	12:30 – 1:30	Lunch (on own)	
	1:30 – 3:00	Vapors & Gases Practical	Norton
	3:30 – 5:00	Vapors & Gases Practical	Norton
Nov 5, Fri	8:30 – 9:00	Review of Overnight Questions	Singh/Norton
	9:00 – 10:30	Presentation of Results & Practical Assignment	Singh/Norton
	11:00 – 12:30	Case Studies 4 & 5	Singh/Norton
	12:30 – 1:30	Lunch (on own)	
	1:30 – 3:45	Mock Examination	Singh/Norton
	3:45 – 4:30	Post Examination Review	Singh/Norton

About AIHA Hawaii

The [AIHA](http://www.aihahawaii.org) promotes, protects and enhances industrial hygienists and other occupational health, safety and environmental professionals in their efforts to improve the health and well-being of workers, the community and the environment. Membership in the AIHA -HI is open to industrial hygienists and other professionals in field of occupational and environmental health and safety. The AIHA-HI has a membership of nearly 100 professionals in Hawaii.

For more information, please visit: www.aihahawaii.org
or contact Jennifer Shishido via email at:
Jennifer.K.Shishido@hawaii.gov

About Golder Associates

At Golder Associates we strive to be the most respected global group specializing in ground engineering and environmental health and safety services. Employee owned since our formation in 1960, we build an understanding of client needs and the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees throughout Africa, Asia, Australasia, Europe, North America and South America.

For more information, please visit: www.golder.com or
contact Jas Singh, PhD, CIH via email at:
Jas_Singh@Golder.com

Additional Sponsors of this course include:

-  **State of Hawai'i, Hawai'i Occupational Safety & Health Division**
-  **Hawaiian Dredging Construction Company**
-  **SKC, Inc**
-  **Bureau Veritas**
-  **Diagnostic Laboratories**
-  **Airgas/Gaspro Hawai'i**

Registration Fee: \$750

(Includes all course materials and break refreshments for all five-days)

Class size is limited to 20 so register early!

For more information, please visit www.aihahawaii.org/, or call Jennifer Shishido at (808) 586-9149. To register for this course, please provide the following information via email to Jennifer.K.Shishido@hawaii.gov. Payment via check made payable to "AIHA-Hawai'i" or government PO is due no later than *October 18, 2010* to reserve your space in class.

Name:			
Title:			
Company:			
Mailing Address:			
	City:	State/Zip	
E-mail Address	Telephone:		

